

# CHENEY TESTING COMPANY, INC.

P. O. Box 367

HILL CITY, KANSAS 67642

## DRILL-STEM TEST DATA

Company	Pate-Dombaugh Petroleum	Test No.	1
Well Name & Number	Close #1	Zone Tested	Lansing Kansas City "B"
Company Address	502 Union Center, Wichita, Ks. 67202	Date	10-23-85
Company Rep.	Don R. Pate	Tester	Dan Bangle
Contractor	J. O. Farmer, Inc.	Elevation	1918
Location: Sec. 18	Twp. 16s	Rge. 19w	CoRush State Ks.
		Est. Feet of Pay	

Recorder No. 13278 Type AK-1 Range 4400 PSI

Recorder Depth 3512 Clock # 25719

(A) Initial Hydrostatic Mud 1854 PSI

(B) First Initial Flow Pressure 65 PSI

(C) First Final Flow Pressure 65 PSI

(D) Initial Shut-in Pressure 1023 PSI

(E) Second Initial Flow Pressure 76 PSI

(F) Second Final Flow Pressure 87 PSI

(G) Final Shut-in Pressure 1012 PSI

(H) Final Hydrostatic Mud 1812 PSI

Temperature 103°

Mud Weight 9.6 Viscosity 35

Fluid Loss 5.6

Interval Tested 3486-3520

Anchor Length 34

Top Packer Depth 3481

Bottom Packer Depth 3486

Total Depth 3520

Drill Pipe Size 4½" XH

Wt. Pipe I. D. 2.70 Ft. Run 829

Recovery-Total Feet 70

Recovered 70 Feet Of Muddy Water (No Show)

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Recovered Feet Of

Extra Equipment Price of Job 550.00

Recorder No. 7437 Type AK-1 Range 4200 PSI

Recorder Depth 3516 Clock # 23858

Tool Open Before I.S.I. 30 Mins.

Initial Shut-in 30 Mins.

Flow Period 30 Mins.

Final Shut-in 45 Mins.

Top Choke Size 1" Hole Size 7 7/8"

Bottom Choke Size 3/4" Rubber Size 6 3/4"

Tool Open @ 1:35 A.M.

Blow Remarks

1st Open: Weak Blow, Died in 10 Minutes.

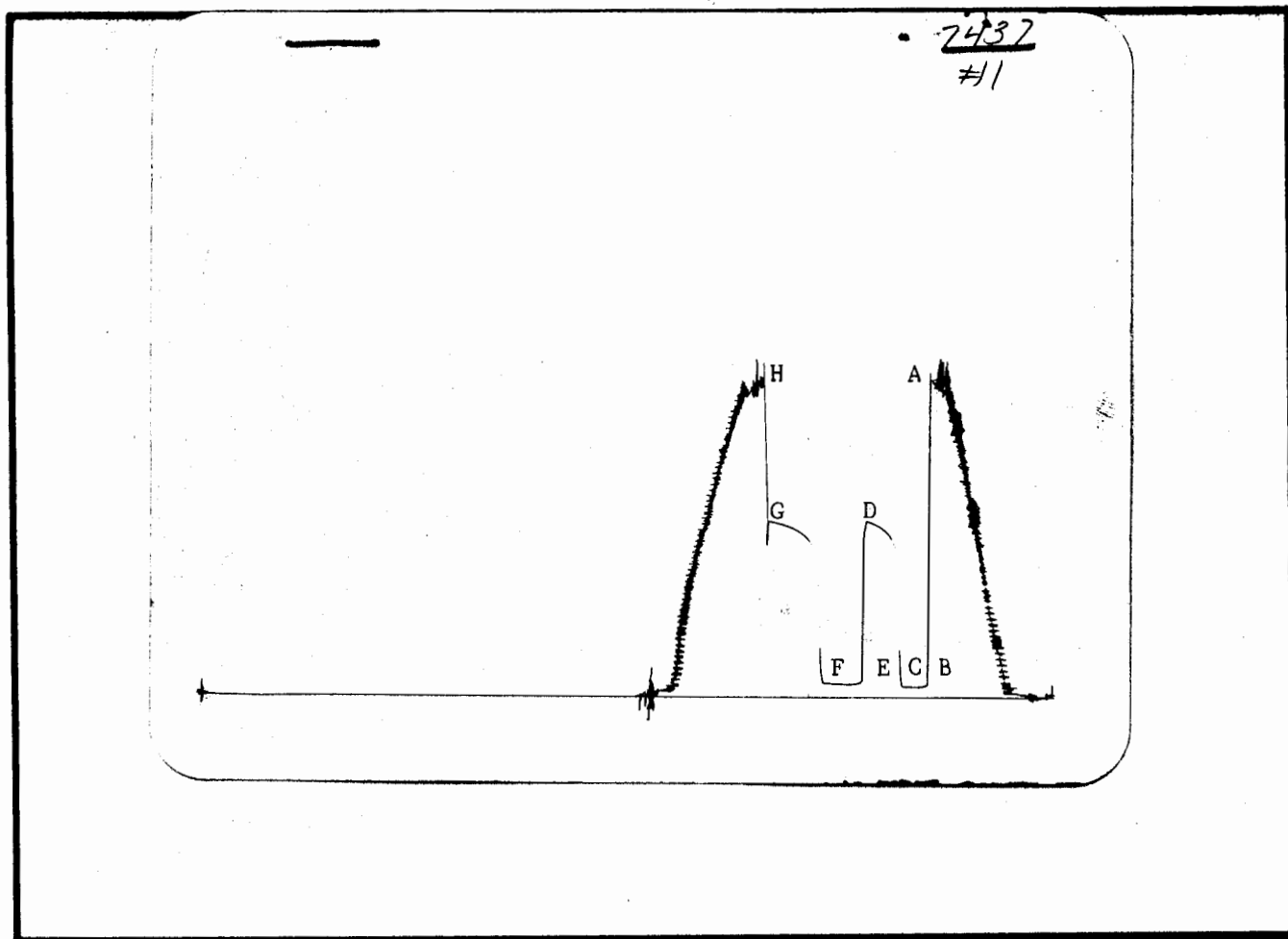
2nd Open: No Blow.

Mud Chlorides: 52,000 PPM

Recovery Chlorides: 31,000 PPM

Risistivity: 0.24 @ 67°

Drill Collars: I.D. 2.25, Ft. Run 28



This is an actual photograph of recorder chart.

POINT	PRESSURE	
	Field Reading	Office Reading
(A) Initial Hydrostatic Mud .....	1854	PSI
(B) First Initial Flow Pressure .....	65	PSI
(C) First Final Flow Pressure .....	65	PSI
(D) Initial Closed-in Pressure .....	1023	PSI
(E) Second Initial Flow Pressure .....	76	PSI
(F) Second Final Flow Pressure .....	87	PSI
(G) Final Closed-in Pressure .....	1012	PSI
(H) Final Hydrostatic Mud .....	1812	PSI

# ARROW TESTING COMPANY

P. O. BOX 1051

GREAT BEND, KANSAS 67530

## DRILL-STEM TEST DATA

Well Name	Close	Test No.	2
Well Number	1	Zone Tested	Arb
Company	Pate-Dombaugh Petroleum	Date	10-24-85
Comp. Rep.	D Pate	Tester	Don Fabricius
Contractor	J O Farmer	Ticket No.	2358
Location	18-16-19 NW-SE-SE 18-16-19W	Elevation	

Recorder No. 3088	Clock Range 12	Recorder No. 4377	Clock Range 12
Depth 3842		Depth 3846	
Initial Hydro Mud Press. 1986		Initial Hydro Mud Press. 2042	
Initial Shut-in Press. 1017		Initial Shut-in Press. 1049	
Initial Flow Press. 113-193		Initial Flow Press. 139-209	
Final Flow Press. 250-284		Final Flow Press. 290-304	
Final Shut-in Press. 1006		Final Shut-in Press. 1027	
Final Hydro Mud Press. 2008		Final Hydro Mud Press. 2042	
Temperature		Tool Open Before I. S. I. 30	Mins.
Mud Weight 10	Viscosity 41	Initial Shut-in 30	Mins.
Fluid Loss 10		Flow Period 30	Mins.
Interval Tested 3822-50		Final Shut-in 45	Mins.
Top Packer Depth 3817		Surface Choke Size 1"	
Bottom Packer Depth 3822		Bottom Choke Size 3/4"	
Total Depth 3850		Main Hole Size 7 7/8	
Drill Pipe Size 4 1/2 x H	Wt. 16.60	Rubber Size 6 3/4	
Drill Collar I. D.	Ft. Run		
Recovery—Total Feet			
Recovered 420	Feet Of Gas in pipe		
Recovered 65	Feet Of Heavy oil cut mud		
Recovered 660	Feet Of Muddy oil		
Recovered	Feet Of		

Remarks

Strong blow thru-test

**THIS ORDER MUST BE SIGNED BEFORE WORK IS COMMENCED. CONDITIONS:** It is expressly understood and agreed that the above described work shall be done under the exclusive control, direction and supervision of the owner or contractor. As a part of the consideration for this agreement, it is expressly understood and agreed that Arrow Testing Company shall not be responsible for damages or losses of any kind whatsoever occasioned by or incident to the use of the above described Tools, whether run or operated by customer, or by anyone employed directly or indirectly by Arrow Testing Company, nor whether resulting from the acts or omissions of Arrow Testing Company, or any of its agents, servants or employees in any way connected with or related to the use of such Tools.

It is expressly understood and agreed that Arrow Testing Company, shall not be bound by any agreement, not herein contained, and no agent or representative connected with or employed by Arrow Testing Company has authority to alter or extend the terms of this agreement. I have read and understand the terms of this agreement and represent that I am authorized to sign the same as agent of customer.

By \_\_\_\_\_

Owner, Operator or his Agent

